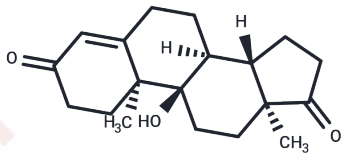
Data Sheet (Cat.No.T7990)

TargetMol

9-hydroxy-4-androstene-3,17-dione

Chemical Properties



CAS No. : 560-62-3

Formula: C19H26O3

Molecular Weight: 302.41

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	9-hydroxy-4-androstene-3,17-dione is a steroid hormone. It has anti-tumor activity and can inhibit the growth of many types of cancer cells, including breast, prostate and lung cancer cells.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 166.7 mg/mL (551.24 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (33.07 mM),Solution. 10% DMSO+90% Saline: < 10 mg/mL (33.07 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3068 mL	16.5338 mL	33.0677 mL
5 mM	0.6614 mL	3.3068 mL	6.6135 mL
10 mM	0.3307 mL	1.6534 mL	3.3068 mL
50 mM	0.0661 mL	0.3307 mL	0.6614 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Anna Brzostek, Jakub Pawelczyk, Anna Rumijowska-Galewicz,et al. Mycobacterium tuberculosis Is Able To Accumulate and Utilize Cholesterol[J]. Journal of Bacteriology, 2009, 191(21):6584-6591.
Knight JC, Wovcha MG,et al.Microbial degradation of the phytosterol side-chain to 24-oxo products.Steroids. 1980 Dec;36(6):723-30.